



Attorney's Docket No.: 08191-004004

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert G. Urban et al.                      Art Unit : 1648  
Serial No. : 10/603,062                                      Examiner : Ali R. Salimi  
Filed : June 24, 2003  
Title : IMMUNOGENIC PEPTIDES FROM THE HPV E7 PROTEIN

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), this application relies on the earlier filing date of application serial number 09/759,960, filed on January 12, 2001. Those references listed on the attached PTO-1449 form that were submitted to and/or cited by the Office in the prior application are not provided in this application.

This statement is being filed after a first Office Action on the merits, but before receipt of a final Office Action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed.

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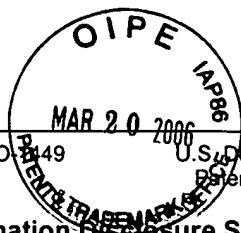
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Respectfully submitted,

Date: March 16, 2006

  
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Jack Brennan  
Reg. No. 47,443

Fish & Richardson P.C.  
Citigroup Center  
52nd Floor  
153 East 53rd Street  
New York, New York 10022-4611  
Telephone: (212) 765-5070  
Facsimile: (212) 258-2291



Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement          by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>08191-004004</b>	Application No. <b>10/603,062</b>
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,741,872	05/03/1998	DeLuca et al.			
	AB	4,777,239	10/11/1988	Schoolnik et al.			
	AC	5,075,109	12/24/1991	Tice et al.			
	AD	5,413,797	05/09/1995	Khan et al.			
	AE	5,547,846	08/20/1996	Bartsch et al.			
	AF	5,580,859	12/03/1996	Felgner et al.			
	AG	5,589,466	12/31/1996	Felgner et al.			
	AH	5,593,972	01/14/1997	Weiner et al.			
	AI	5,643,605	07/01/1997	Cleland et al.			
	AJ	5,648,459	07/15/1997	Cole et al.			
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	AL	5,679,647	10/21/1997	Carson et al.			
	AM	5,695,770	12/09/1997	Raychaudhuri et al.			
	AN	5,703,055	12/30/1997	Felgner et al.			
	AO	5,705,151	01/06/1998	Dow et al.			
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	AS	5,846,540	12/08/1998	Restifo et al.			
	AT	6,007,806	12/28/1999	Lathe et al.			
	AU	6,013,258	1/11/2000	Urban et al.			
	AV	6,037,135	3/14/2000	Kubo et al.			
	AW	6,183,746	02/06/2001	Urban et al.			
	AX	6,582,704	06/24/2003	Urban et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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							Yes	No
	AY	60-147368	07/04/1985	Japan				
	AZ	WO 92/10513	06/25/1992	PCT				
	AAA	WO 93/22338	11/11/1993	PCT				
	ABB	WO 94/03205	2/17/1994	PCT				
	ACC	WO 94/04171	03/03/1994	PCT				
	ADD	WO 94/04557	03/03/1994	PCT				
	AEE	WO 94/20127	09/15/1994	PCT				
	AFF	WO 94/21680	09/29/1994	PCT				
	AGG	WO 94/23738	10/27/1994	PCT				
	AHH	WO 95/24929	11/21/1995	PCT				
	AII	WO 96/00583	01/11/1996	PCT				
	AJJ	WO 97/17063	05/15/1997	PCT				
	AKK	WO 97/33602	09/18/1997	PCT				
	ALL	WO 97/34617	9/25/1997	PCT				
	AMM	WO 97/34621	9/25/1997	PCT				
	ANN	WO 97/42940	11/20/1997	PCT				
	AOO	WO 98/31398	07/23/1998	PCT				
	APP	WO 99/45954	9/16/1999	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQQ	Collins et al., "processing of Exogenous Liposome-Encapsulated Antigens In Vivo Generates Class I MHC-restricted T Cell Responses," THE JOURNAL OF IMMUNOLOGY, 148:3336-3341, No. 11, June 1, 1992
	ARR	Elliott et al., "Processing of Major Histocompatibility Class I-restricted Antigens in the Endoplasmic Reticulum," THE JOURNAL OF EXPERIMENTAL MEDICINE, 181:1481-1491, April 1995
	ASS	Donnelly et al., "immunization with DNA," JOURNAL OF IMMUNOLOGICAL METHODS, 176:145-152, No. 2, 1994
	ATT	Feltkamp et al., "Vaccination with cytotoxic T Lymphocyte epitope-containing peptide protects against a tumor induced by human papillomavirus type 16-transformed cells," EUROPEAN JOURNAL OF IMMUNOLOGY, 23:2242-2249, 1993

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**Other Documents (include Author, Title, Date, and Place of Publication)**

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	AUU	Fries et al., "Liposomal Malaria Vaccine in Humans: A Safe and Potent adjuvant Strategy," PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, 89:358-362, January 1992
	AVV	Fynan et al., "DNA Vaccines: Protective Immunizations by Parenteral, Mucosal, and Gene-Gun Inoculations," PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, 90:11478-11482, 1993
	AWW	Gao et al., "Tumor-Associated E6 Protein of Human Papillomavirus Type 16 Contains an Unusual H-2K <sup>b</sup> -Restricted Cytotoxic T Cell Epitope," THE JOURNAL OF IMMUNOLOGY, 155:5519-5526, 1995
	AXX	Hurtenbach et al., "Prevention of Autoimmune Diabetes in Non-Obese Diabetic Mice by Treatment with a Class II Major Histocompatibility Complex-blocking Peptide," THE JOURNAL OF EXPERIMENTAL MEDICINE, 177:1499-1504, 1993
	YYY	Jochmus et al., "Specificity of human cytotoxic T Lymphocytes induced by a human papillomavirus type 16 E7-derived peptide," THE JOURNAL OF GENERAL VIROLOGY, 78:1689-1695, 1997
	AZZ	Kadish et al., "Cell-mediated immune responses to E7 peptides of human papillomavirus (HPV) type 16 are dependent on the HPV type infecting the cervix whereas serological reactivity is not type-specific," THE JOURNAL OF GENERAL VIROLOGY, 75:2277-2284, 1994
	AAAA	Kadish et al., "Lymphoproliferative Responses to Human Papillomavirus (HPV) Type 16 Proteins E6 and E7: Outcome of HPV Infection and Associated Neoplasia," JOURNAL OF THE NATIONAL CANCER INSTITUTE, 89:1285, 1997
	ABBB	Kast et al., "Human Leukocyte Antigen-A2.1 Restricted Candidate Cytotoxic T Lymphocyte Epitopes of Human Papillomavirus Type 16 E6 and E7 Proteins Identified by Using the Processing-Defective Human Cell Line T2," THE JOURNAL OF IMMUNOTHERAPY, 14:115-120, 1993
	ACCC	Kast et al., "Role of HLA-A Motifs in Identification of Potential CTL Epitopes in Human Papillomavirus Type 16 E6 and E7 Proteins," THE JOURNAL OF IMMUNOLOGY, 152:3904-3912, 1994
	ADDD	Lin et al., "Treatment of Established Tumors with a Novel Vaccine that Enhances Major Histocompatibility Class II Presentation of Tumor Antigen," CANCER RESEARCH, 56:21-26, 1996
	AEEE	Loftus et al., "Analysis of MHC-specific peptide motifs: applications in immunotherapy," Advances in Experimental Medicine and Biology; Immunobiology of proteins and peptides VIII. Manipulation or modulation of the immune response, 1995, pp. 201-210.
	AFFF	Madden et al., "The Antigenic Identity of Peptide-MHC Complexes: A Comparison of the conformations of Five Viral Peptides Presented by HLA-A2," CELL, 75:693-708, November 19, 1993
	AGGG	Mowat et al., "ISCOMS - A Novel Strategy for Mucosal Immunization?," IMMUNOLOGY TODAY, 12:383-385, 1991
	AHHH	Nabel et al., "Transduction of a Foreign Histocompatibility Gene into the Arterial Wall Induces Vasculitis," PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, 89:5157-5161, No. 11, June 1992
	AIII	Osband et al., "Problems in the Investigational Study and Clinical Use of Cancer Immunotherapy," IMMUNOLOGY TODAY, 11:193-195, 1990
	AJJJ	Reddy et al., "In Vivo Cytotoxic T Lymphocyte Induction with Soluble Proteins Administered in Liposomes," THE JOURNAL OF IMMUNOLOGY, 148:1585-1589, No. 5, March 1992

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	AKKK	Ressing et al., "Occasional Memory Cytotoxic T-Cell Responses of Patients with Human Papillomavirus Type 16-positive Cervical Lesions against a Human Leukocyte Antigen-A 0201-restricted E7-encoded Epitope," CANCER RESEARCH, 56:582-588, February 1, 1996
	ALLL	Ressing et al., "human CTL Epitopes Encoded by Human Papillomavirus Type 16 E6 and E7 Identified Through In Vivo and In Vitro Immunogenicity Studies of HLA-A 0201 Binding Peptides," THE JOURNAL OF IMMUNOLOGY, 154:5934-5943, June 1, 1995
	AMMM	Shrine et al., "Pangaea Aims Naturally Processed Peptides at First viral Target: Human Papilloma Virus," BIOWORLD TODAY, THE BIOTECHNOLOGY NEWSPAPER, 7:1-2, May 15, 1996
	ANNN	Stellar et al., "Human Papillomavirus Immunology and Vaccine Prospects," JOURNAL OF THE NATIONAL CANCER INSTITUTE MONOGRAPHS, No. 21, 1996, pp. 145-148
	AOOO	Takahashi et al., "Induction of CD8 Cytotoxic T Cells by Immunization with Purified HIV-1 Envelope Protein in ISCOMs," NATURE, 344:873-875, April 1990
	APPP	Tarpey et al., "Human Cytotoxic T Lymphocytes Stimulated by Endogenously processed human papillomavirus type 11 E7 recognize a peptide containing a HLA-A2 (A*0201) motif," IMMUNOLOGY, 81:222-227, 1994
	AQQQ	Tsukui et al., "Interleukin 2 Production in vitro by Peripheral Lymphocytes in response to Human Papillomavirus-derived peptides: Correlation with Cervical Pathology," CANCER RESEARCH, 56:3855-4085, 1996
	ARRR	Urban et al., "A subset of HLA-B27 Molecules contains peptides much longer than nonamers," PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, 91:1534-1538, February 1994
	ASSS	Vitiello et al., "Development of a Lipopeptide Based Therapeutic Vaccine to Treat chronic HBV Infection, THE JOURNAL OF CLINICAL INVESTIGATION, 95:341-349, January 1995
	ATTT	Vitiello et al., "Analysis of the HLA-restricted Influenza-specific Cytotoxic T Lymphocyte Response in Transgenic Mice Carrying a Chimeric Human-Mouse Class I Major Histocompatibility Complex," J. EXP. MED., 173:1007-1015, April 1991
	AUUU	Zhu et al., "Both Immunization with Protein and Recombinant Vaccinia Virus Can Stimulate CTL Specific for the E7 Protein of Human Papilloma Virus 16 in H-2 <sup>d</sup> Mice," SCANDINAVIAN JOURNAL OF IMMUNOLOGY, 42:557-563, 1995

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